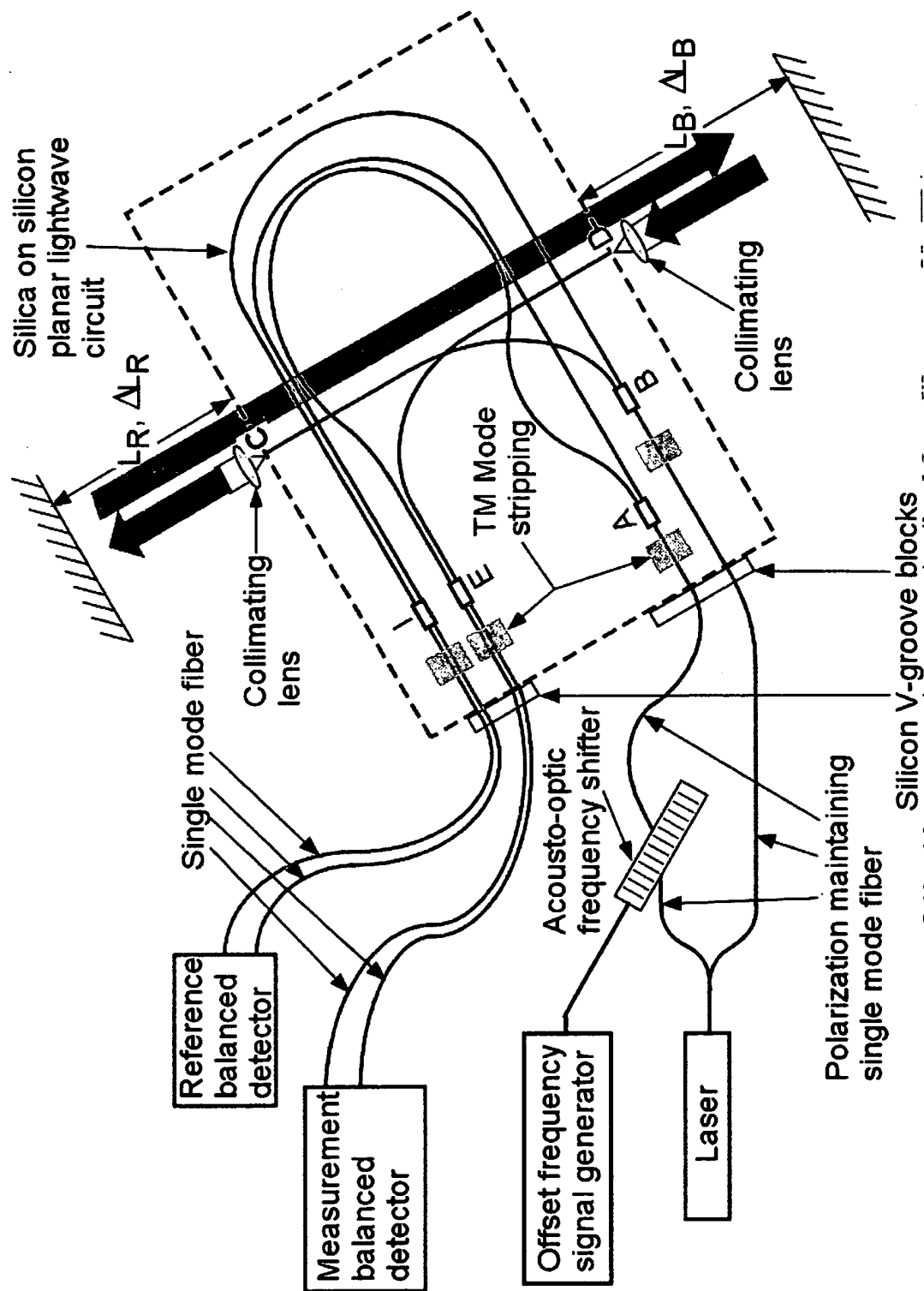


Figure 1. Heterodyne Interferometer Based on PLC "Racetrack" Circuit



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 Figure 2. Racetrack embodiment of PLC circuit

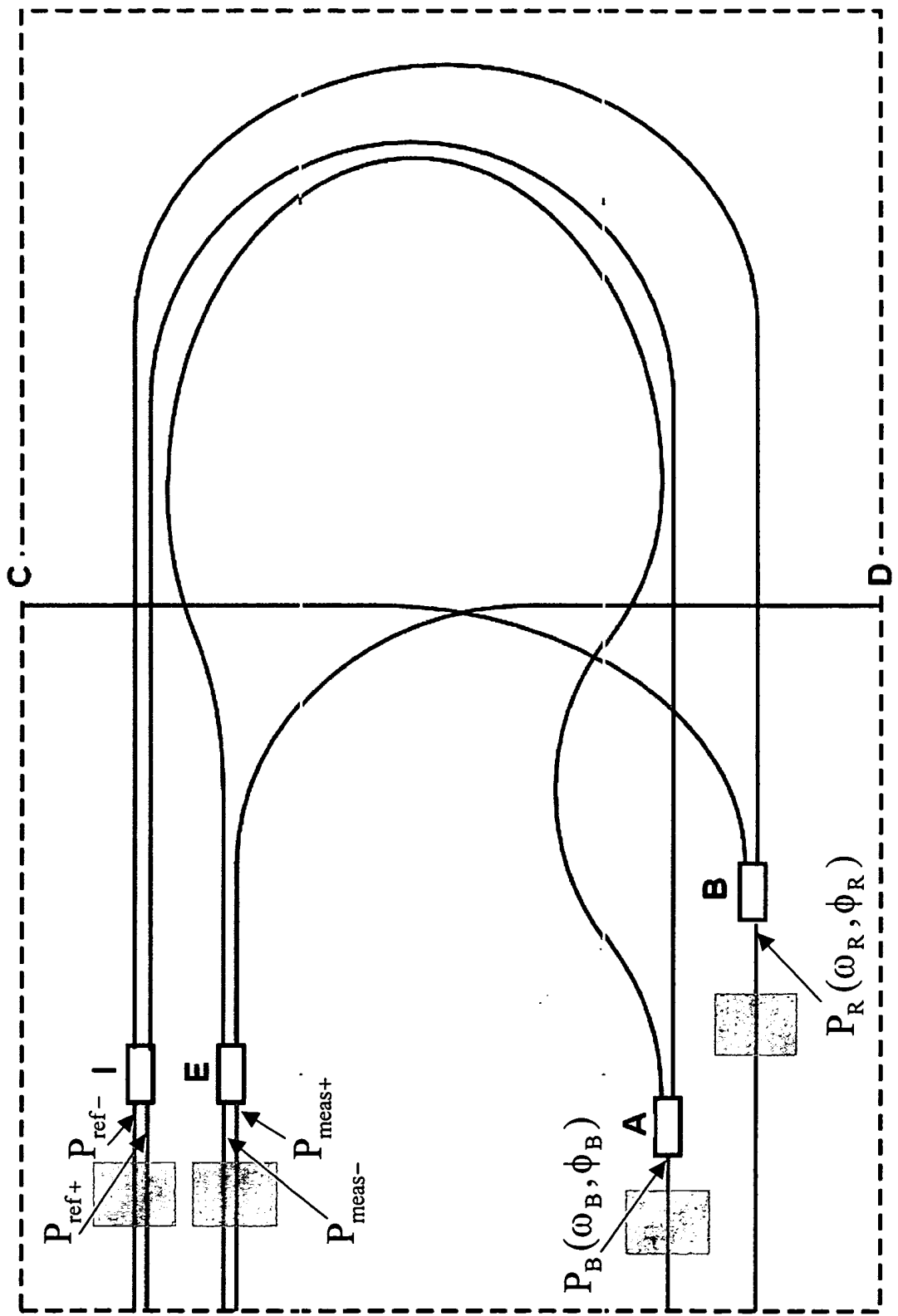


Figure 3. Heterodyne Interferometer Based on PLC "Trombone" Circuit

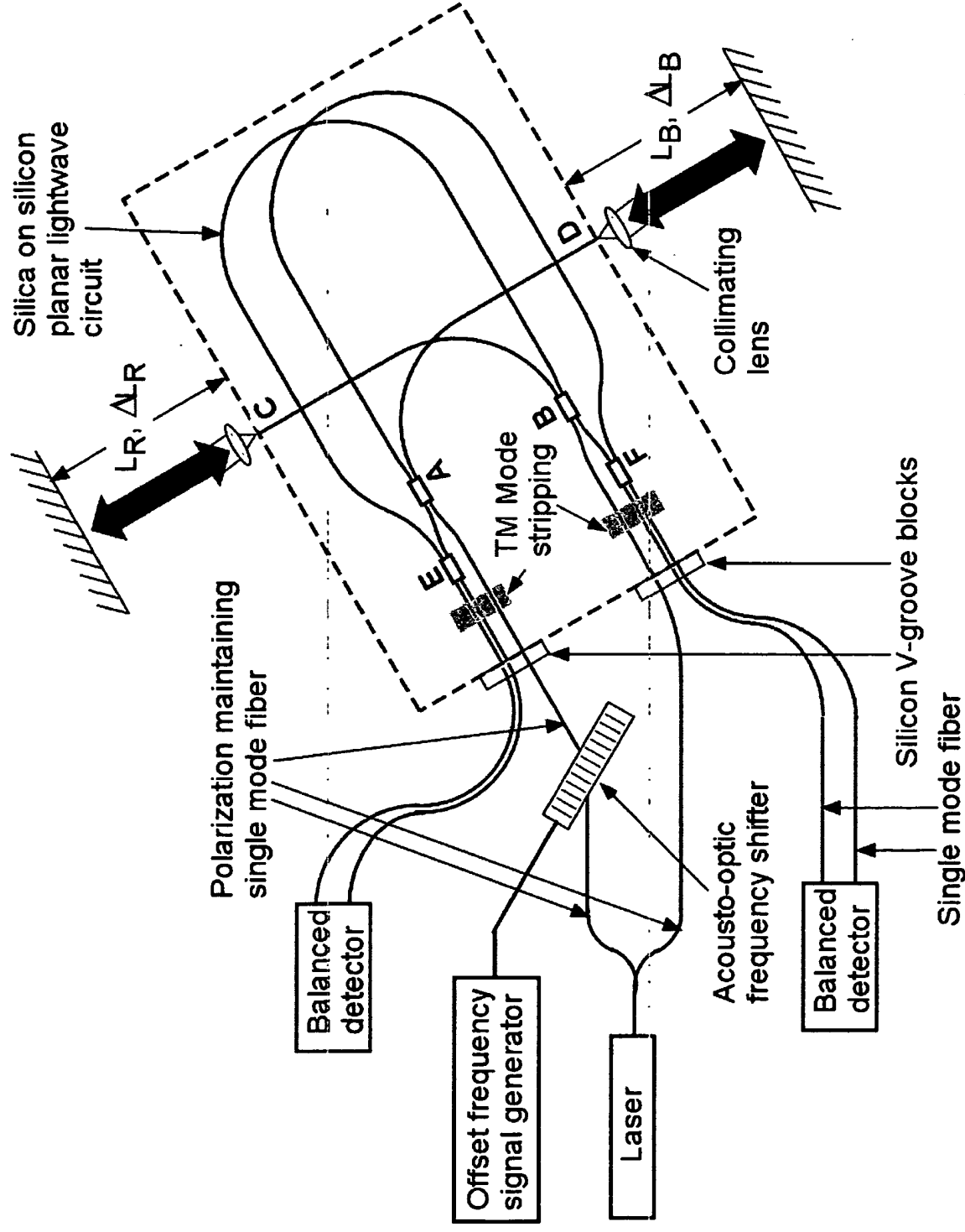


Figure 4. Trombone embodiment of PLC circuit

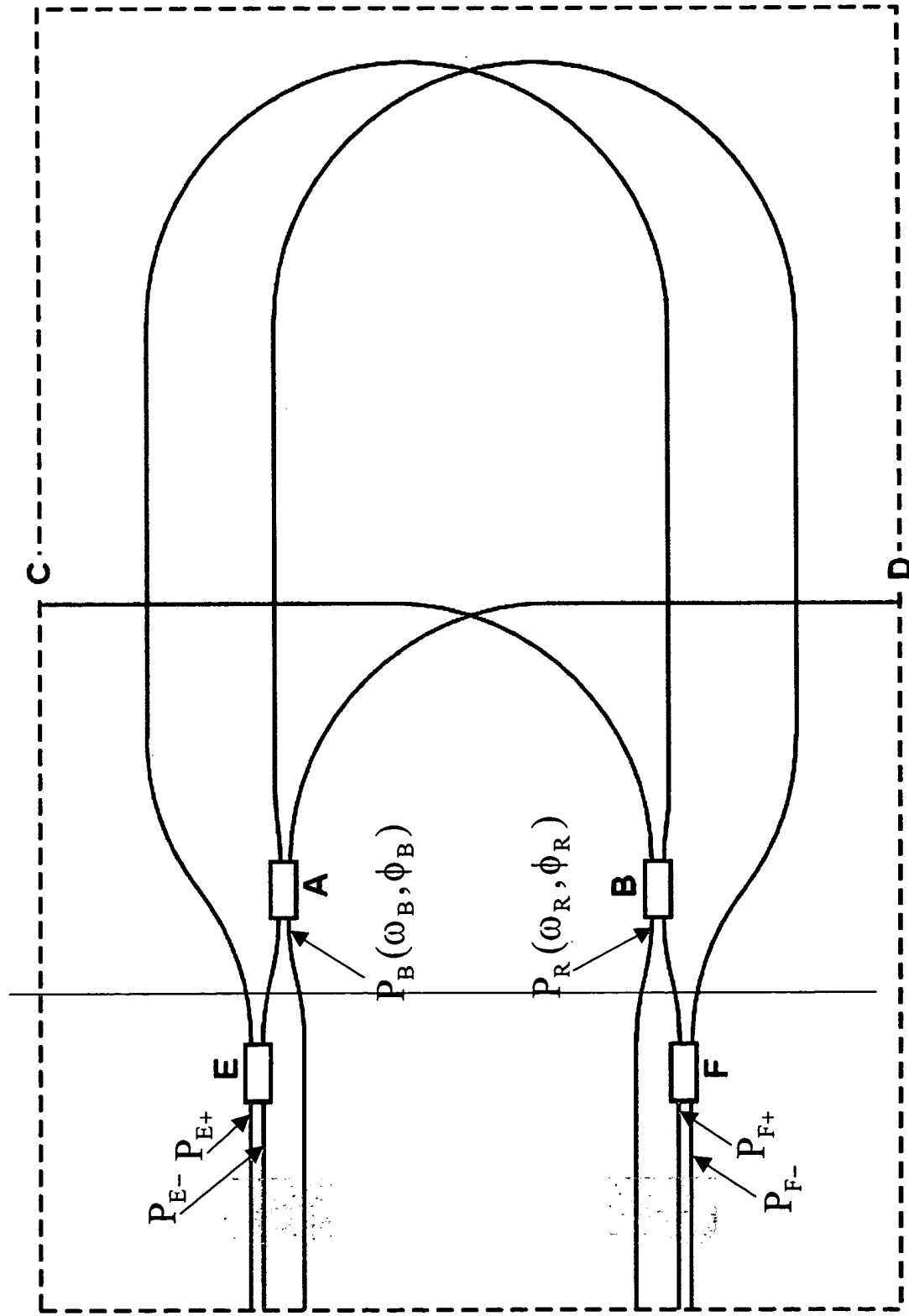


Figure 5. Lightbulb embodiment of PLC circuit

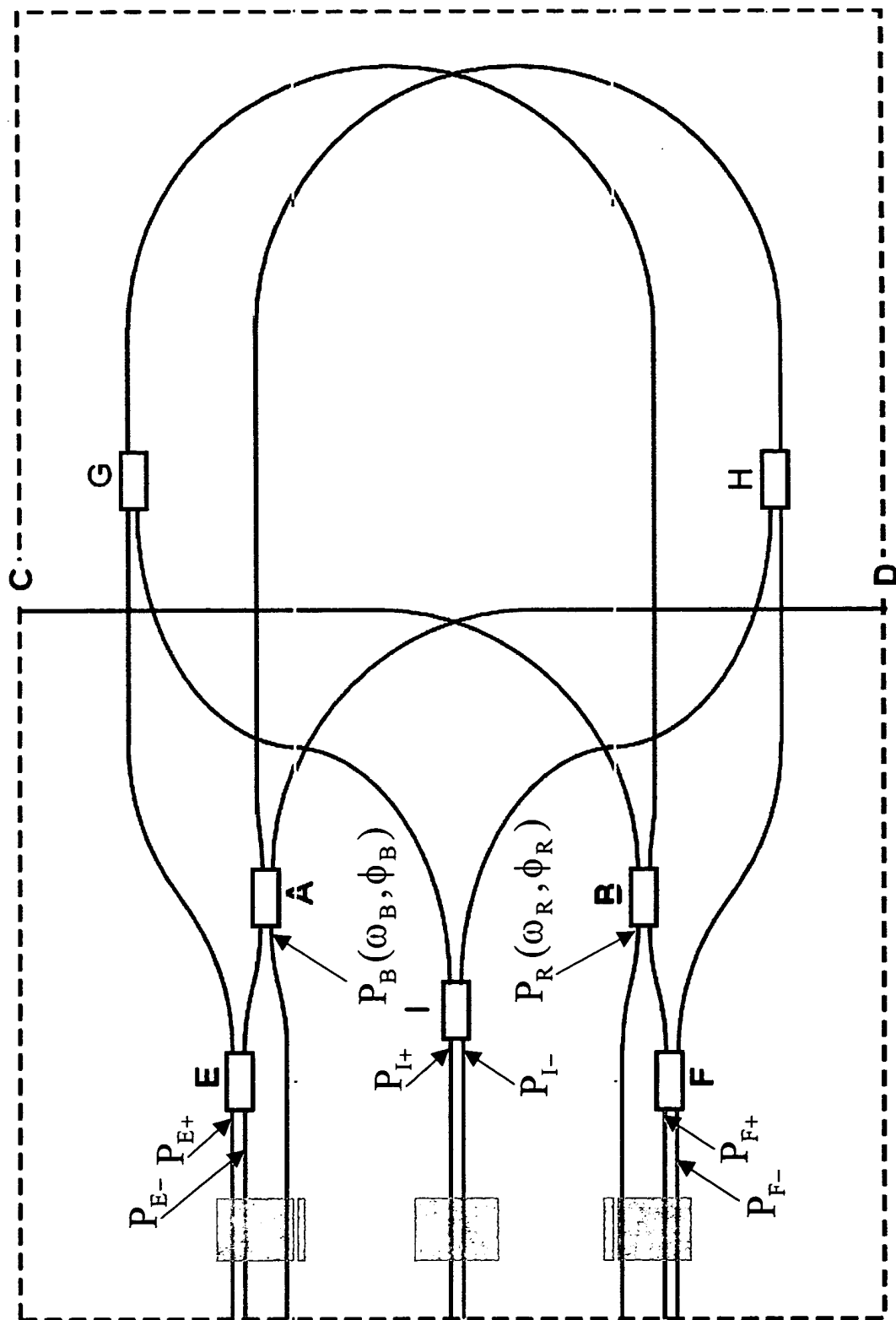


Figure 6. Jellyfish embodiment of PLC circuit

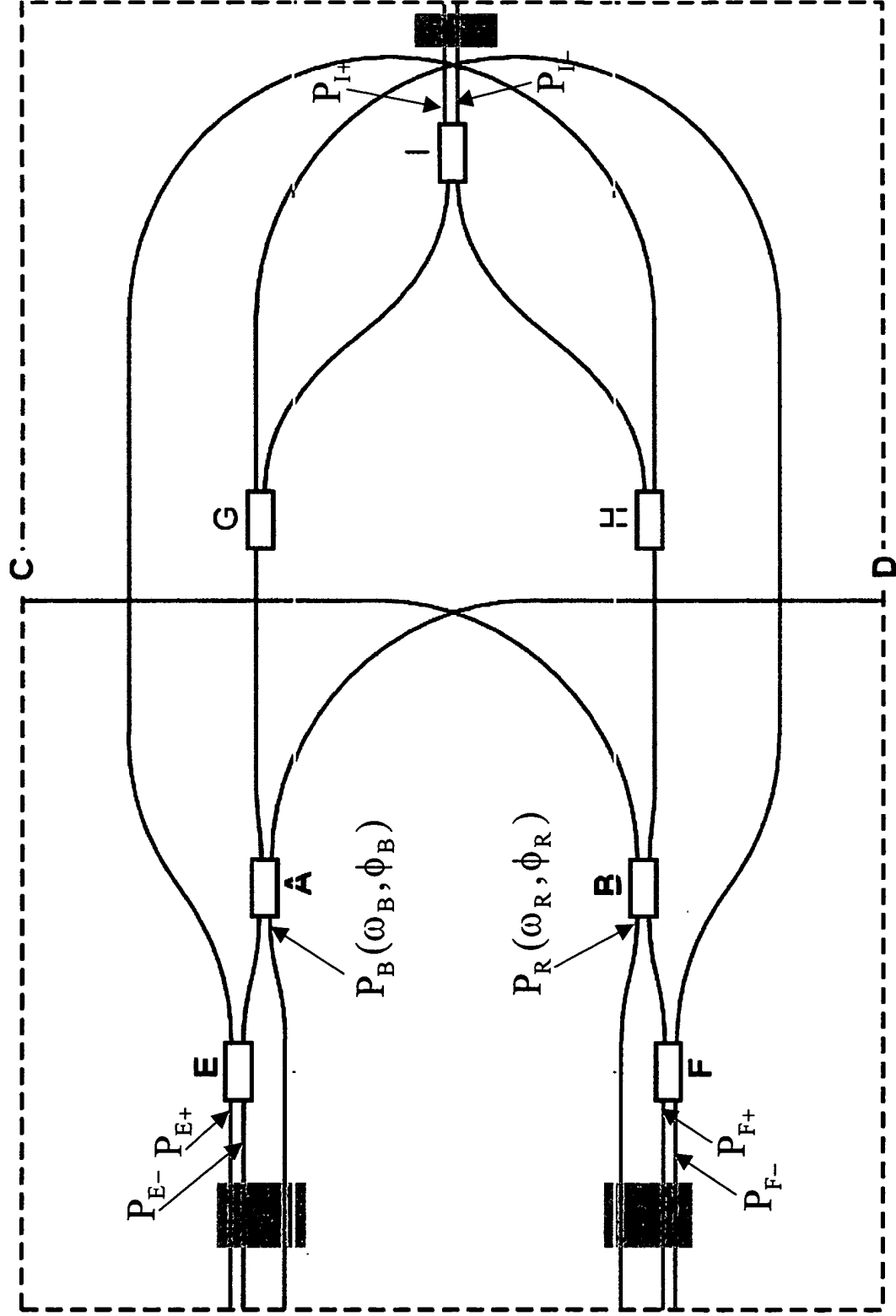
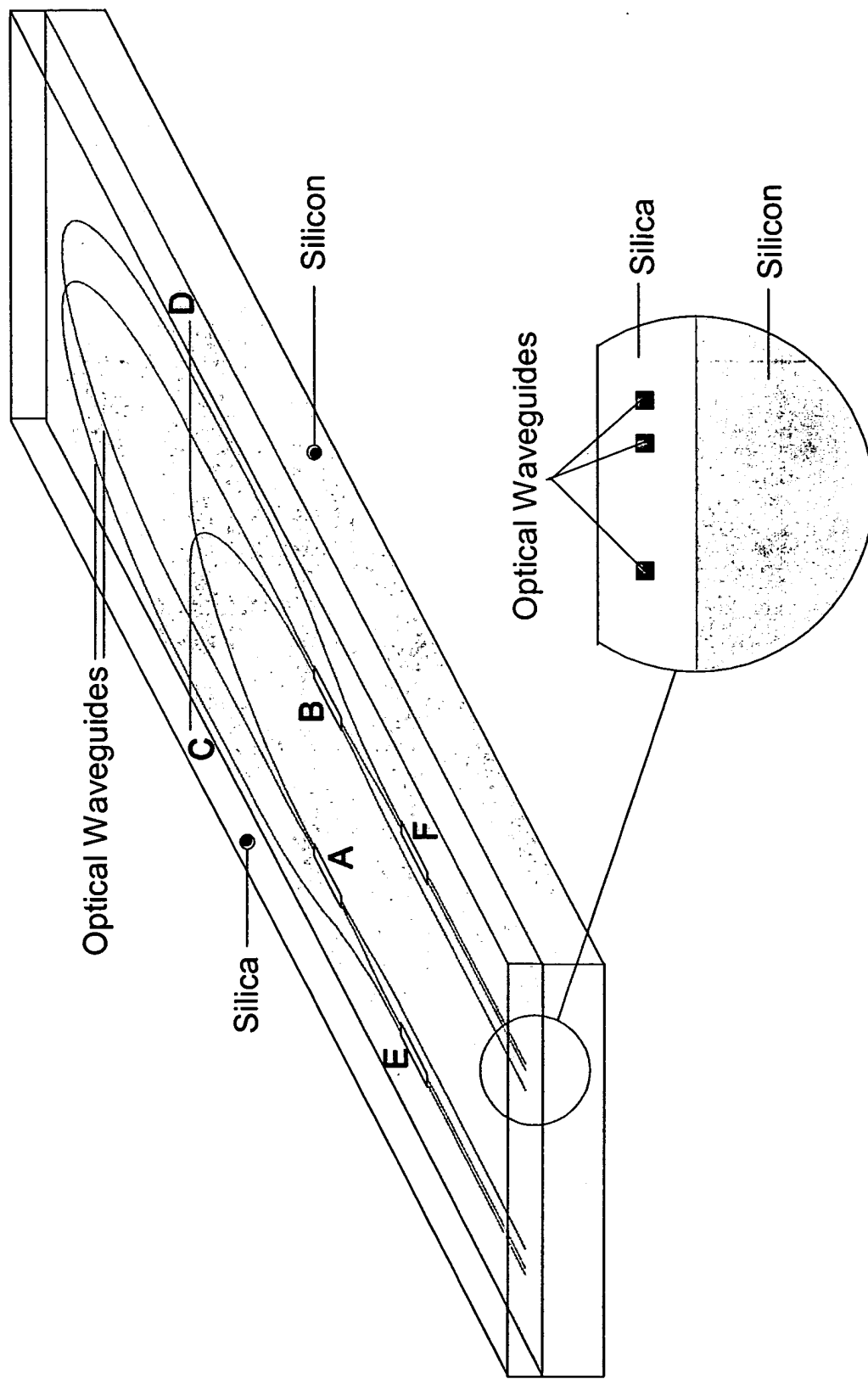


Figure 7. Silica on Silicon Embodiment of PLC



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**Figure 8. Directional coupler in balanced detector**

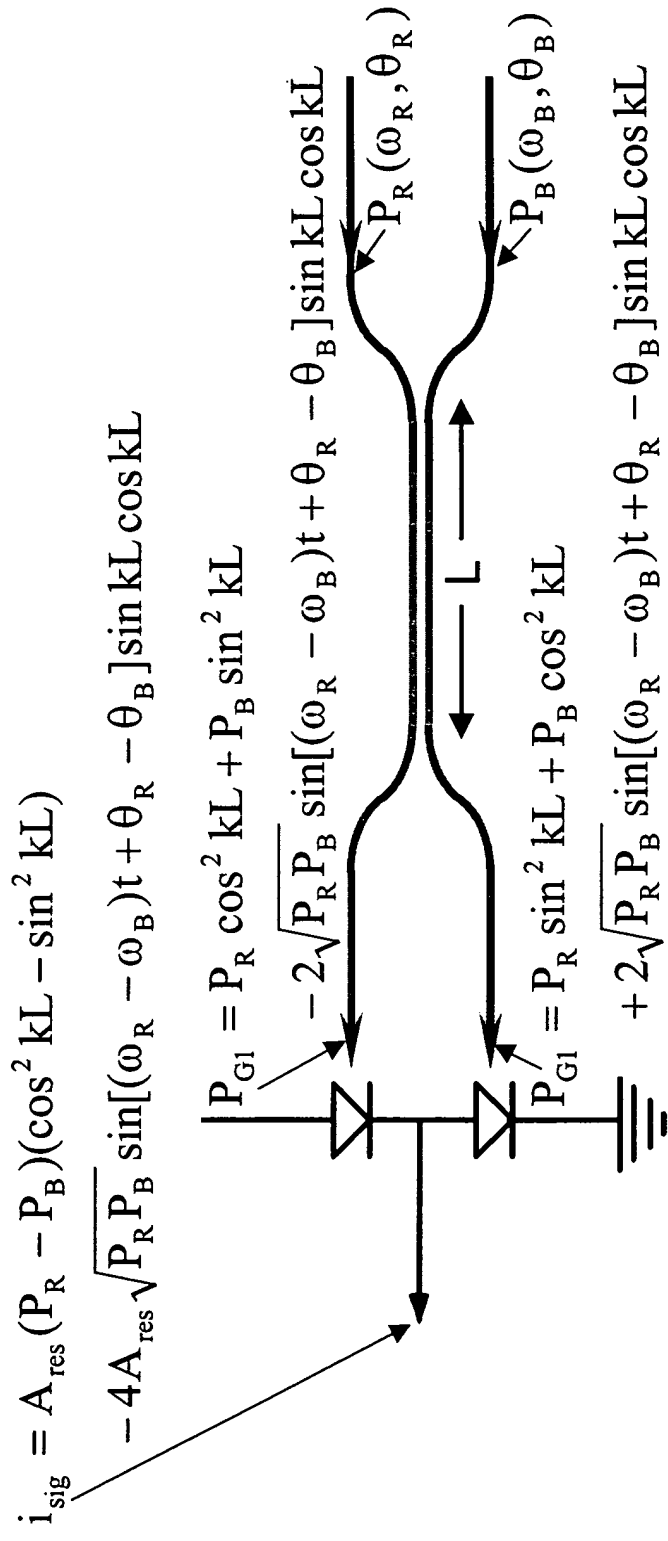




Figure 9. Angle lap reduction of back reflection into single mode optical waveguide

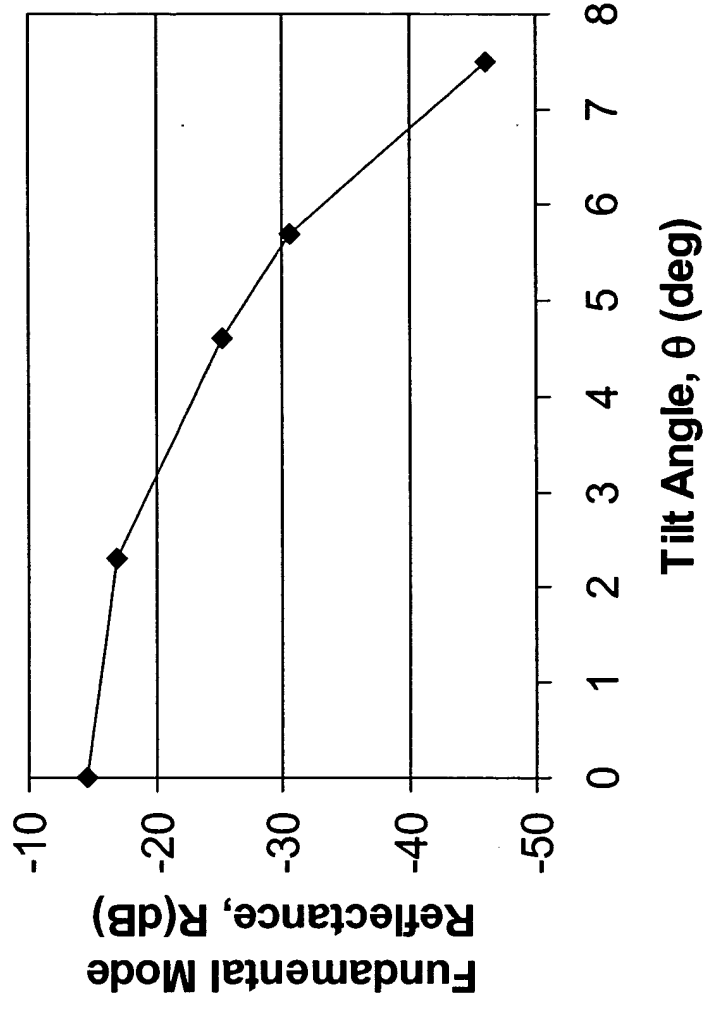
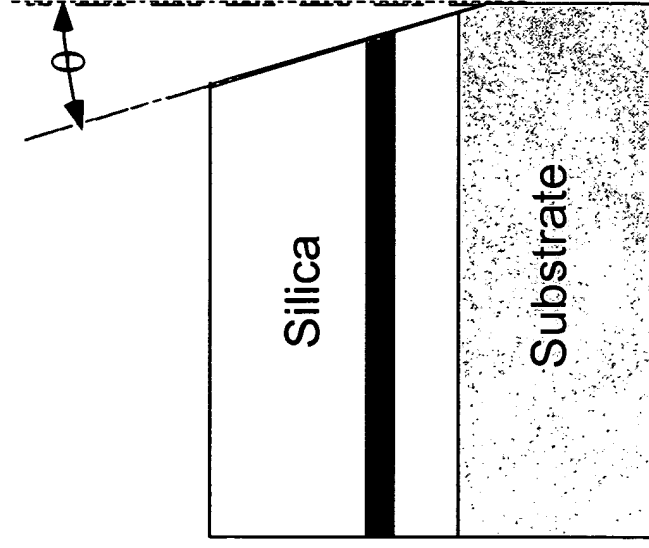


Figure 10. Structure of TM mode stripper

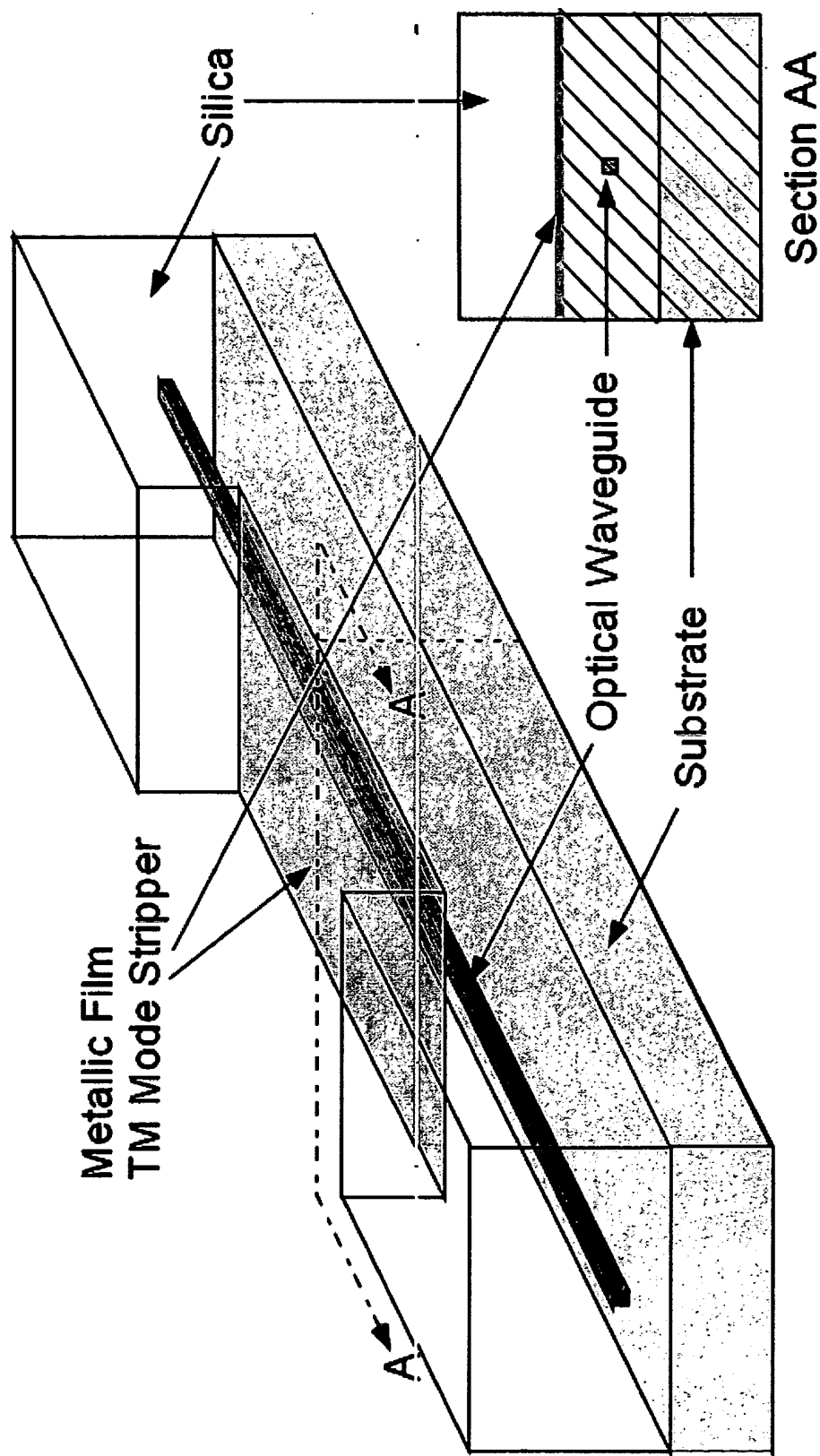


Figure 11. Efficiency of TM mode stripper with Aluminum metalization

